

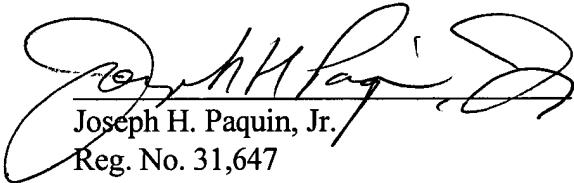
signal having the pre-formatted signal modulated or otherwise embedded in the VBI. The pre-formatted signal is received from the broadcast interface and is transmitted on a carrier of the out-going signal. At least one transceiver receives the out-going signal and transmits a return signal on the carrier of the out-going signal.--

Attached hereto is a marked-up version of the changes made to the abstract by the current amendment.

#### REMARKS

The application has been deemed informal because the drawing sheet did not have the appropriate margins and the abstract exceeds 150 words in length. A new formal drawing and a revised abstract has been submitted. It is believed that the application is now formal. In addition, Applicants believe that no fee is required in connection with this response; but if so, please charge Account No. 13-0206. A duplicate of this transmittal is attached.

Respectfully submitted,



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Date: July 27, 2001

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## VERSION WITH MARKINGS TO SHOW CHANGES

### ABSTRACT

[The present application relates to the use of the] The vertical blanking interval ("VBI") [to] of a video signal is used in broadband communications including digital data transmission on the VBI or [for] a dual VBI/PCS [System Capable] system capable of enhancing rapid deployment of wireless VBI communications or PCS services to a remote transceiver where no or marginally profitable infrastructure exists. [Specifically, the present invention provides a] A wireless digital communication system [having] has a broadcast interface for encoding message information [on the vertical blanking interval] on the [JVBI] of a video signal [,] [the] The message information is encoded to a VBI format [so as] to form a pre-formatted signal. A broadcast device [for transmitting] transmits an out-going signal having the pre-formatted signal modulated or otherwise embedded in the VBI [of the video signal]. The pre-formatted signal is received from the broadcast interface and is transmitted on a carrier of the out-going signal. At least one transceiver [exists for receiving] receives the out-going signal and [for transmitting] transmits a return signal on the carrier of the out-going signal [, the transceiver detects clock information relating to the synchronization bits of the broadcast and further includes a decoder for identifying the pre-formatted signal from the out-going signal so as to allow for the decoding of the message information and for displaying such message information to a user of the transceiver; an input device for inputting return message information; an encoding device for encoding the return message information; and a VBI modulating device for modulation or otherwise inserting the return signal on the out-going signal of the broadcast. The present invention further includes an antenna means for detecting the return signal that is supplied to a return

signal processor (RSP). The RSP detects the return signal from the carrier of the out-going signal of the broadcast and a message processor (MESP) decodes the message information from the return signal. The MESP is adapted to transmit the message information to public or private communications networks or public switches].

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